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W. Scott Randolph Director - Regulatory Affairs

July 20, 2001

Bruce A. Franca
Acting Chief, Office of Engineering and Technology
Federal Communications Commission
445 Twelfth Street, S.W.
7-C153
Washington, DC 20554

RE: Final Service Disruption Report for June 21, 2001 Event

Dear Mr. Franca,

In accordance with the outage reporting thresholds established in CC Docket 91-273, we are enclosing Verizon's Final Service Disruption Report for the outage affecting the Boston, MA area on June 21, 2001.

If you have any questions regarding this matter, please call me at (202) 515-2530.

Sincerely,

W. Scott Randolph

Director - Regulatory Affairs

Enclosure

CC:

R. Kimball

K. Nilsson

WIRE LINE OUTAGE REPORT

D	Date of Incident			
Reporting Carrier Verizon	06/21/2001			
Time of Incident	Geographic Area Affected			
06:10 AM EDT	Boston, MA			
Services Affected	Number of Customers Affected			
Services Attended	336,000			
IntraLATA Intraoffice	Number of Blocked Calls			
IntraLATA Interoffice X	136,000			
InterLATA Interoffice X	Outage Duration			
E911	3 Hrs 35 Mins			
E311				
Background of the Incident				
cables was relocated, the Alcatel supervisor de Installation Technical Assistance Support (ITA be expected and to continue with the growth we two more occasions, at 3:50 AM and 5:10 AM. The on-site supervisor was advised to issue a "but both attempts to invoke this command faile support group instructed the supervisor to invoke all processor circuit packs in the frame. This are Verizon Tier II Support and a regional Alcatel assessed the damage and instructed the on-site positions. This backout procedure was initiated "Initialize System" command progressed, the irrestoration was accomplished by 09:45 AM. Subsequent investigation determined that the control that were initiated to restore the equipment fail wrong information because of the cabling error	ipment Installers perform the work under the ely 2:50 AM on June 21 st , after the first group of stected alarm conditions and notified Alcatel's AS) group. He was told that some alarms were to ork. The Alcatel supervisor contacted ITAS on a left them of the ongoing alarm conditions. Restore Equipment" command to clear the alarms ed. At 6:00 AM, ITAS and Alcatel's engineering oke an "Initialize System" command, which affects ection caused 173 DS3s to fail at 6:10 AM. The representative were contacted for assistance. They personnel to restore all cables to their original at 7:10 AM and completed at 7:20 AM. As the individual systems began to restore. Full ables were incorrectly connected. Any commands and since the system was attempting to download			
Direct Cause Procedural – System Vendor – Failure to follow standard procedures/documentation				
Root Cause				
Procedural - System Vendor - Insufficient supervision/control				
Name and Type of Equipment	Specific Part of the Network Involved			
Alcatel 1631SX LMC 3/1 Cross-Connect	Digital Cross-Connect System			
Frame	2 Plant C1033 Confidence DASCHII			
LIGHTO	1			

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Methods Used to Restore Service

The backout procedure was initiated to restore the frame to it original configuration and a system initialization invoked to restore the failed DS3s. After cables were restored to their original configuration, the system initialized successfully.

Steps Taken to Prevent Recurrence of the Incident

Verizon has requested Alcatel to produce a new 1631SX expansion detail procedure. Verizon will then schedule an on site meeting with Alcatel to review and validate the new procedure.

Verizon will schedule meetings with Alcatel to review their DCS work flow and escalation procedures. Verizon wants to ensure mutual understandings and emphasize their expectations that these procedures be followed in the future.

Evaluation of Best Practices

The following Best Practice recommended by the Network Reliability and Interoperability Council IV, Focus Group 3, Subcommittee 1 Final Report consolidating and revising the Best Practices applies to this outage: Procedural (PR) Best Practice, PR03, MOPs and Acceptance/Verification Check-Off Sheets for Hardware and Software Growth/Change Activities.

A detailed MOP using an Acceptance/Verification Check-Off Sheet may have detected the cabling error and prevented this outage.

Contact Person	Telephone Number of Contact Person
William S. Randolph	202-515-2530

NO.640 P.1/1 **5087554**916 P.**02**

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VERIZON FCC NETWORK DISRUPTION INITIAL REPORT

TICKET #: AY1-LDR

1.	DATE AND TIME OF INCIDENT:	06/21/2001	06:30:00 AM		
2.	GEOGRAPHIC AREA AFFECTED: Boston	Ma.	BSTNMAFR***		
3.	MAXIMUM NUMBER OF CUSTOMERS AF	FECTED: 50,000			
4.	TYPE OF SERVICES AFFECTED:				
	ERGENCY-SERVICE 🖾 INTERLATA	OTHER			
דאו 🗵	RALATA 800 SERVICES				
5.	DURATION OF OUTAGE: ongoing				
6.	ESTIMATED NUMBER OF BLOCKED CAL	LS: Not Available			
7A.	TYPE EQUIPMENT: DCS K3/1	VENDOR:	Alcatel		
7B.	APPARENT OR KNOWN CAUSE OF INCIDE 43 T'3s down, cause unknown	ENT:			
8. ,	METHOD USED TO RESTORE SERVICE: Not available at this time				
9.	STEPS TAKEN TO PREVENT RECURRENCE Not available at this time	E:			
	nt to Section 0.459 (b) of the Commission Ri Intiality is requested for Items: I for confidentiality:	ules, and for reason se	it forth below,		
A Rec	quest to supplement the showing requested lously.	by section 0.459 (b) is	hereby made and will	be submitte	
Repues	t Supplement:				
ATE A	ND TIME OF REPORT: 06/21/2001 0	8:12:51 AM			
ONTA	CT AND TELEPHONE #: Michael Pearce	800-400-4662			
NOTE: Retention period is 6 Years					